



ENERGY MANAGEMENT REPORT

NOVEMBER 2017

Executive Order RP-49 Energy Management Report for November 2017

A. The extent to which the agency has met the percentage goal it established for reducing its usage of electricity, gasoline, and natural gas:

Texas A&M University - Commerce is committed to energy conservation. Changes in the total amount of space that is heated and cooled as well as rising student numbers living on campus have created challenges to reduce energy year to year. The University feels that changes to engineering systems and behavioral practices that are occurring will produce energy reductions in the future.

Utility consumption building profiles are generated weekly and reviewed to insure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed to insure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have helped the main campus source Energy Use Index (EUI) to remain relatively flat from 160.6 mBtu per square foot in May 2014 to 166.4 mBtu per square foot in August 2017.

B. The steps the agency may take to increase the percentage goal for reducing its usage of electricity, gasoline, and natural gas:

Texas A&M University – Commerce is aggressive in implementing energy conservation programs. TAMUC has entered into an energy performance contract with Johnson Controls. The \$9 million contract is expected to reduce energy costs by over \$500,000 annually.

TAMUC has also replaced several chillers, replaced leaky air handling units and made improvements to the campus chilled water loop.

C. Any additional ideas the agency has for reducing energy expenditures relating to facilities:

TAMUC has implemented on-going education programs for students, faculty and staff related to their role in saving energy on campus.

- Environmental and energy advisory group is making education and engagement a significant role in their mission.
- Possibility of engaging students or staff through competition to save energy.
- Encourage reporting of leaking faucets, outdoor lights on during daylight hours, etc.

Current and future building construction at Texas A&M University – Commerce will have a primary goal of energy efficiency throughout planning and construction. Additionally, a new contract with the electrical provider going into effect in September 2017 has lowered base line electrical costs by 22%.

D. Any additional ideas the agency has to minimize the fuel usage in all vehicles and equipment used by the agency.

TAMU Commerce main campus limits vehicular usage by promoting a pedestrian campus. Additionally, staff is encouraged to limit vehicle usage and carpool where appropriate. Where applicable, TAMUC reduces or replaces older inefficient equipment with more energy efficient vehicles.

	Gasoline (Gallons)
FY16	33,998
FY17	41,754
% Increase (Decrease)	23%